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**ADMINISTRATIVE EXPERIENCE**

- 2018 – present    **Director**, School of Planning, Design and Construction, Michigan State University.
- 2018 – 2019       **Ph.D. Program Director**, School of Planning, Design and Construction, Michigan State University.
- 2011 – 2017       **Associate Department Head**, Department of Landscape Architecture and Urban Planning, Texas A&M University.
- 2014                **Acting PhD Program Coordinator** (Urban and Regional Science). Department of Landscape Architecture and Urban Planning, Texas A&M University.
- 2012 – 2017       **Executive Committee Member**, Water Management and Hydrological Science Program (Interdisciplinary Program), Texas A&M University.
- 2009                **Acting MLA Program Coordinator**, Department of Landscape Architecture and Urban Planning, Texas A&M University.

**ACADEMIC EXPERIENCE**

- 2018 – present    **Professor**, School of Planning, Design and Construction, Michigan State University.
- 2018 – present    **Affiliated Faculty**, Environmental Science & Policy Program, Michigan State University.
- 2014 – present    **Fellow**, Center for Health Systems and Design, College of Architecture, Texas A&M University.
- 2014 – 2017       **Professor**, Department of Landscape Architecture and Urban Planning, Texas A&M University.
- 2009 – 2014       **Associate Professor**, Department of Landscape Architecture and Urban Planning, Texas A&M University.
- 2003 – 2009       **Assistant Professor**, Department of Landscape Architecture and Urban Planning, Texas A&M University.
- 1996 – 2017       **Research Engineer, Associate Research Engineer, Assistant Research Engineer, Research Assistant**, Texas A&M Transportation Institute.

- 1994 – 1995      **Research Assistant**, Department of Civil, Architectural and Environmental Engineering, The University of Texas at Austin.
- 1992 – 1993      **Research Assistant**, National Taiwan University, Hydrotech Research Institute.

## LEADERSHIP EXPERIENCE

- 2014 – 2017      **President-elect, President and Past President**, Council of Educators in Landscape Architecture.
- 2012 – 2014      **Vice President for Research**, Council of Educators in Landscape Architecture.
- 2010 – 2012      **Second Vice President**, Council of Educators in Landscape Architecture.

## EDUCATION

PhD, Urban and Regional Science, Texas A&M University, 2002  
Master of Landscape Architecture, Texas A&M University, 1998  
Master of Science in Civil Engineering, The University of Texas at Austin, 1995  
Bachelor of Science in Agricultural Engineering, National Taiwan University, 1990

## PROFESSIONAL REGISTRATION

Professional Engineer, Texas, License No. 91045.  
Professional Landscape Architect, Texas, License No. 2048.

## SPECIAL RECOGNITION

Fellow, American Society of Landscape Architects.  
Fellow, Council of Educators in Landscape Architecture.  
“25 Most Admired Educators” by *DesignIntelligence* (2016-17).  
Dr. David E. Schob Senior Scholar (equivalent to professorship), Department of Landscape Architecture and Urban Planning, Texas A&M University (2014-2017).

## SIGNIFICANT LEADERSHIP ACCOMPLISHMENTS (INDIVIDUAL AND UNIT)

### Michigan State University, School of Planning, Design and Construction, 2018 – present

The School of Planning, Design and Construction (SPDC) comprises four professional programs (construction management, interior design, landscape architecture and urban & regional planning), one Ph.D. program, and the National Charrette Institute that is the outreach & engagement unit. The four professional programs are fully accredited by their respective accrediting agencies. SPDC offers eight degree programs: four undergraduate, three master’s and one doctoral, as well as two graduate certificates. Forty-five faculty, two advisors and eight staff serve 430 undergraduate students, 70 graduate students and more than 10,000 living alumni.

The school’s aggregate annual budget is approximately \$6.8M. Research expenditures average \$2M annually. The school’s scholarship endowments generate approximately \$430K each year.

As director, my leadership and administrative responsibilities encompassed the overall teaching, research and outreach missions of the school, including fiscal resources,

personnel, infrastructure, program accreditation, development and stakeholder relations. I represent the school's interests on campus (e.g., campus infrastructure's planning, design and construction), and with key external stakeholders, including alumni, donors and industry friends.

Key personal and unit accomplishments:

*Strategic Planning*

- Led and completed the school 2020-24 strategic plan, and have implemented many key tactics.

*Facilities and Capital Planning*

- Secured \$250K for creating a SPDC interactive learning classroom that serves as the hub for experiential learning, virtual reality and digital communication.
- Initiated the planning, design and construction and secured \$85K funding for the Building Information Modeling (BIM) Lab, the first one at Michigan State.
- Strengthened the school's unified identity by installing interior and exterior signage of the building.

*Workplace Environment and Culture*

- Established the Diversity, Equity and Inclusion (DEI) standing committee for the school, and led the school to be recognized by the college for The DEI Gold Award. Initiated a school wide DEI training by the college.
- Initiated a series of community connect/reconnect events: Open Dialogue (to address campus wide concerns post Larry Nassar's sexual assault to hundreds of women), open conversation (with undergraduate and graduate students during COVID-19), and Open Conversation (to address anti-Asian murders in Atlanta).
- Increased women and minority faculty significantly: out of the ten new hires between 2018 and 2021, seven were women, one was Hispanic and another was people of color.
- Formed the Student Advisory Council that comprises 5 student organization presidents who meet with the school director and advisors monthly to connect with the school's administration.
- Actively participated in the development of the college's professional code of conducts document that was also adopted by the school.
- Initiated the school's annual retreat that enhanced the school's welcoming, inclusive culture.

*Development*

- Received 9 new gifts or pledges totaling \$750,000 within 3 years.
- Established two new alumni advisory boards (interior design and urban & regional planning) that support the school's fundraising priorities. And actively engaged with two existing boards (construction management and landscape architecture), which resulted in creating new endowments.

- Partnered with the college's development office in meeting prospective donors through in-person events and virtual lounges, which is a significant part of my directorship.

#### *Academics*

- Created two online graduate certificate programs (Real Estate Development & Construction and Urban Resilient Redevelopment) to attract mid-career professionals in the industry, which will generate tuition revenues for the school and the university.
- Launched the BSURP and MURP (4+1) linked program that increased urban & regional program's enrollment.
- Created a freshman common course (Introduction to built environment) that facilitates interdisciplinary learning and exposes freshman undergraduate students to all four professions.
- Provided seed funds that incentivized the faculty to conduct interdisciplinary research, which yielded a significant increase of interdisciplinary research proposal submissions to external funding agencies.
- Changed Landscape Architecture and Urban & Regional Planning to STEM disciplines, which made our programs more competitive with other peer institutions.
- Initiated the school's lectures series with the academic year of 2020-21 focusing on diversity, equity and inclusion subjects.
- Promoted Landscape Architecture (undergraduate) program's *DesignIntelligence* ranking to No.9 in the nation.
- Promoted the Construction Management program's ranking to 22 out of 731 construction schools by Construction-colleges.com.

#### *Recruitment*

- Initiated the school's annual Open House that enhanced the school's visibility on and off campus and helped increase the enrollments for all programs. The school's total enrollment increased from 390 to 500 in three years.

#### *Partnership Building*

- Partnered with Department of Forestry for mass timber development and application, and jointly hired a new faculty to lead this initiative.
- Initiated partnership with Spartan Detroit Innovation Center that will be an urban center for teaching, research and outreach with various stakeholders in Detroit.
- Signed memorandum of understanding with Architecture and Urban Research Institute in South Korea and the National Chung-Hsing University, which has generated additional \$25K research funding annually.

**Texas A&M University, Department of Landscape Architecture and Urban Planning, 2011 – 2017**

The Department of Landscape Architecture and Urban Planning (LAUP) at Texas A&M comprises three professional programs (landscape architecture, land & property development, and urban planning), one Ph.D. program and two research centers, with 30 faculty, 4 staff and 400 students (350 undergraduate and 50 graduate students). LAUP offers six degrees from bachelor's, master's to doctoral level.

As Associate Department Head, my responsibilities include academic affairs, accreditation, admissions, facilities, faculty and staff search, alumni relationship and outreach, fundraising support, program assessment, student recruitment, website, and workload assignment.

**Key personal and unit accomplishments:**

- Developed effective recruitment strategies that yielded 20% increase in undergraduate enrollments within three years.
- Led a college-wide interdisciplinary “Design Week” that demonstrated high-impact learning and resulted in creation of design studio courses for urban planning students.
- Led landscape architecture fundraising and established an endowed scholarship.
- Developed two BLA+MUP and BLA+Master of Land & Property Development linked degree programs that increased the department's total enrollment.
- Initiated the department's peer review of teaching process, which helped tenure-track faculty to develop teaching portfolios and improve teaching.
- Promoted BLA and MLA programs' *Designintelligence* ranking at top 10 in the nation.
- Developed assessment rubrics and achieved self-evaluation results that met or exceeded university expectations for all six degree programs.

**The Council of Educators in Landscape Architecture (CELA), 2010 – 2017**

The Council of Educators in Landscape Architecture (CELA) is an international organization and can trace its beginnings to 1920 at Harvard and for more than one hundred years it has been concerned with the content and quality of professional education in landscape architecture. CELA is composed of all the programs of higher learning in landscape architecture in the world.

**Key personal and unit accomplishments:**

- Updated CELA strategic plan (2015-2018).
- Inaugurated CELA Life-time Achievement Award.
- Initiated CELA Fellow Mentoring Program.
- Created the peer-reviewed conference proceedings, *Landscape Research Record*, which has become one of the recognized peer-reviewed publishing outlets in landscape architecture.

- Established the CELA development and fundraising taskforce.
- Led the efforts for CELA 2017 to be held in Beijing, China.

## AWARDS AND HONORS

- 2019 **Fellow**, American Society of Landscape Architects.
- 2019 Select participant for the inaugural CANR Leadership Development Program, Michigan State University.
- 2017 **Fellow**, Council of Educators in Landscape Architecture.
- 2016 – 2017 **“25 Most Admired Educators”** by the Design Futures Council (in *DesignIntelligence Quarterly*).
- 2015 **Distinguished Achievement Award** (in teaching, College Level), Association of Former Students, Texas A&M University.
- 2015 **The President’s Award** (for exceptional service to CELA), the Council of Educators in Landscape Architecture.
- 2015 **The Outstanding Instructor**, elected by the Student Advisory Council in the Department of Landscape Architecture and Urban Planning, Texas A&M University.
- 2013 **Service-learning Fellow**, Center for Teaching Excellence, Texas A&M University.
- 2012 **Research Fellow** for Case Study Investigation Program, Landscape Architecture Foundation.
- 2012 **Outstanding Communications Award**, the Council of Educators in Landscape Architecture.
- 2010 **Student Led Awards for Teaching Excellence**, Texas A&M University System.
- 2009 Biography in 63<sup>rd</sup> Edition of **Who’s Who in America**.
- 2007 **Graduate Faculty Teaching Award**, College of Architecture, Texas A&M University. For graduate teaching that received the highest score in teaching evaluation.
- 2006 – 2007 **The Montague Scholar** (Teaching Award), Center for Teaching Excellence, Texas A&M University. Selected by the Center for Teaching Excellence as the 2006-2007 tenure-track faculty for the College of Architecture who have shown ability and interest in teaching.
- 2002 **First Place** in Physical Sciences IV, Student Research Week 2002, Texas A&M University. **Research title:** “Refrigerating Woody Cuttings Helps Extend Plant Dormancy.”
- 2001 & 2000 **Ph.D. Scholar Award** (Two times), Department of Landscape Architecture and Urban Planning, Texas A&M University. For outstanding scholarly achievements, while enrolled in the PhD program in Urban and Regional Science.
- 2000 **Fellow**, Graduate Teaching Academy, Texas A&M University. To honor GTA members who complete the Graduate Teaching Academy Certification Program.
- 2000 **International Erosion Control Association Scholarship**. To honor and support outstanding students who contribute to the erosion control field to attend IECA annual conference and Expo.
- 2000 **The 25% Most Effective Teachers of 200 Level Courses**, Texas A&M University. Instructors who were rated in the top quartile of 200 level courses on the evaluation item: “I believe this instructor was an effective teacher.”

- 1999 **First American Bank Scholarship**, Bryan/College Station, Texas. To honor Texas A&M University outstanding international students who contribute to local community.
- 1998 **Member**, Phi Kappa Phi Honor Society.
- 1997 **Gene Schrickel, '50 Endowed Scholarship in Landscape Architecture**, Texas A&M University, Endowed by Gene and Helen Schrickel.
- 1997 **Member**, Tau Sigma Delta Honor Society.
- 1996 **MLA Scholarship**, Department of Landscape Architecture and Urban Planning, Texas A&M University.
- 1996 **Member**, Sigma Lambda Alpha Honor Society.
- 1992 **Distinguished Officer**, The Army, Taiwan. For discharged officers with outstanding leadership achievement in specialized fields.
- 1987~1990 **The Book Coupon Awards** (Four Times), National Taiwan University, Taipei, Taiwan.

## PUBLICATIONS (\* denotes past or present student)

### *Peer-Reviewed Journal Articles*

(accepted with revision) Park, J., Kim, J.-H., Sohn, W.M.\*, **Li, M.-H.**, 2021. Cooling ranges for urban heat mitigation: continuous cooling effects along the edges of small green spaces. *Landscape and Ecological Engineering*.

1. Wang, R.\*, Kim, J.-H., **Li, M.-H.**, 2021. Predicting stream water quality under different urban development patterns scenarios with a machine learning approach. *Science of the Total Environment* 761. DOI: 10.1016/j.scitotenv.2020.144057.
2. Sohn, W.M.\*, Brody, S., Kim, J.-H., **Li, M.-H.**, 2020. How effective are drainage systems in mitigating flood losses? *Cities* 107. DOI: 10.1016/j.cities.2020.102917.
3. Sohn, W.M.\*, Kim, H.W.\*, Kim, J.H., **Li, M.-H.**, 2020. The capitalized amenity of green infrastructure in single-family housing values: an application of the spatial hedonic pricing method. *Urban Forestry and Urban Greening* 49. DOI: 10.1016/j.ufug.2020.126643.
4. Sohn, W.\*, Kim, J.-H., **Li, M.-H.**, Brown, R.D., Jaber, F.H., 2020. How does increasing impervious surfaces affect urban flooding in response to climate variability? *Ecological Indicators* 118. DOI: 10.1016/j.ecolind.2020.106774.
5. Zhao, T., Zhao, Y., **Li, M.-H.**, 2019. Landscape performance for coordinated development of rural communities & small-towns based on "Ecological Priority and All-Area Integrated Development": six case studies in East China's Zhejiang Province. *Sustainability* 11, 4096. DOI:10.3390/su11154096.
6. Wang, R.\*, **Li, M.-H.**, Zhang, X.\*, 2019. Predicting bioretention pollutant removal efficiency with design features: a data-driven approach. *Journal of Environmental Management*. 242, 403-414. DOI: 10.1016/j.jenvman.2019.04.064.
7. Sohn, W.M.\*, Kim, J.H., **Li, M.-H.**, Brown, R.D., 2019. The influence of climate on the effectiveness of low impact development: a systematic review. *Journal of Environmental Management*. 236, 365-379. DOI: 10.1016/j.jenvman.2018.11.041.
8. Li, X., Fang, X., Gong, Y., Li, J., Wang, J., Chen, G., **Li, M.-H.**, 2018. Evaluating the road-bioretention strip system from a hydraulic perspective – case studies. *Water* 10, 1778. DOI: 10.3390/w10121778.
9. Sohn, W.M.\*, Kim, J.H., **Li, M.-H.**, 2017. Low impact development for impervious surface connectivity mitigation: Assessment of directly connected impervious areas. *Journal of Environmental Planning and Management* 60(10), 1871-1889. DOI: 10.1080/09640568.2016.1264929.

10. Kim, H.W.\* , **Li, M.-H.**, 2017. Managing stormwater for urban sustainability: an evaluation of local comprehensive plans in the Chesapeake Bay watershed region. *Journal of Environmental Planning and Management* 60(10), 1702-1725. DOI: 10.1080/09640568.2016.1251399.
11. **Li, M.-H.**, Cranshaw, N., Davis, B., Douglas, K., Hewitt, R., Pritchard, K., 2017. Recent transition of several landscape architecture undergraduate programs from five to four years in the United States. *Landscape Architecture Journal* 03, 115-122, Beijing Forestry University, Beijing, China, ISSN 1673-1530 (in English and Chinese). DOI : 10.14085/j.fjyl.2017.03.0115.08.
12. Kim, H.W.\* , **Li, M.H.**, Kim, J.H., Jaber, F., 2016. Examining the impact of suburbanization on surface runoff using the SWAT. *International Journal of Environmental Research* 10(3), 379-390.
13. Kim, H.W.\* , **Li, M.-H.**, 2016. Sustainable stormwater management: examining the role of local planning capacity in mitigating peak surface runoff. *Sustainability* 8(9), 763. DOI: 10.3390/su8090763.
14. Lai, C.H., Lin, S.H., Chen, S.H., Sung, Y., **Li, M.H.**, 2016. Seed pretreatment and plant location selection of Roxburgh sumac (*Rhus javanic* L. var. *roxburghiana* DC.) for landslide area revegetation. *Taiwan Water Conservancy* 64(2), 17-28. ISSN: 0492-1505.
15. Wang, Z.-F., **Li, M.-H.**, 2016. How to frame design research paradigm of landscape architecture? *Chinese Landscape Architecture* 32(4), 10-15. (in Chinese).
16. Luo, Y.\* , **Li, M.-H.**, 2016. Building sponge city: examples of landscape architecture curriculum on stormwater management in the United States. *Landscape Architecture Frontiers* 4(2), 62-77.
17. Kil, S.-H., Lee, D.K., **Li, M.-H.**, Kim, J.-H., Newman, G., 2016. Utilizing the analytic hierarchy process to establish weighted values for evaluating the stability of slope revegetation based on hydroseeding measures in South Korea. *Sustainability* 8(1), 58. DOI: 10.3390/su8010058.
18. **Li, M.-H.**, Yi, L.\* , 2015. Sponge city: overview of the 2015 International Low Impact Development Conference. *South Architecture* 2015.3, 8-13. (in English and Chinese) DOI: 10.3969/j.issn.1000-0232.2015.03.008.
19. Kim, H.-W.\* , **Li, M.-H.**, Kim, H., Lee, H.K.\* , 2016. Cost-benefit analysis and equitable cost allocation for a residential rainwater harvesting system in the City of Austin, Texas. *International Journal of Water Resources Development* 32(5), 749-764. DOI: 10.1080/07900627.2015.1073142.
20. Yang, B.\* , **Li, M.-H.**, Huang, C., 2015. Ian McHarg's ecological planning in The Woodlands, Texas: lessons learned after four decades. *Landscape Research* 40(7), 773-794. DOI: 10.1080/01426397.2014.987223.
21. Yu, K., Jiang, Q.\* , Wang, Z., **Li, M.-H.**, 2015. The research progress and prospect of bei tang landscape. *Areal Research and Development* 34 (3), 130-136. (in Chinese) ISSN: 2333-9721.
22. Kim, Y.-J., Kim, J.-H., **Li, M.-H.**, 2015. Web-enhanced teaching and learning vehicle preference in landscape architecture construction studio courses. *Journal of e-Learning and Higher Education* Vol. 2015. DOI: 10.5171/2015.511323.
23. Luo, Y.\* , **Li, M.-H.**, 2015. Landscape performance of built projects: comparing Landscape Architecture Foundation's published metrics and methods. *Landscape Architecture Journal*, Beijing Forestry University, Beijing, China, ISSN 1673-1530 (in English and Chinese), 52-69. DOI: 10.14085/j.fjyl.2015.01.0050.18.
24. Dai, D.-X., **Li, M.-H.**, 2015. Research development of landscape performance assessment in America. *Landscape Architecture Journal*, (China), Beijing Forestry University, Beijing, China, ISSN 1673-1530 (in Chinese), 25-31. DOI: 10.14085/j.fjyl.2015.01.0023.07.
25. Newman, G., Sohn, W.M.\* , **Li, M.-H.**, 2014. Performance evaluation of low impact development: groundwater infiltration in a drought prone landscape in Conroe, Texas. *Landscape Architecture Frontiers* 2(4), 122-133. DOI: 10.1007/slaf-0204-0122.
26. **Li, M.-H.**, 2014. Evaluating erosion control performance of crimped straw mulch in comparison with RECPs on simulated highway roadsides. *International Journal of Geotechnical Engineering* 8(3), 307-314. DOI: 10.1179/1939787913Y.0000000036.

27. Li, M.-H., Swapp, M.\*, Kim, M.H.\*, Chu, K.-H., Sung, C.Y.\*, 2014. Comparing bioretention designs with and without an internal water storage layer for highway runoff. *Water Environment Research* 86(5), 387-397.
28. Luo, Y.\*, Li, M.-H., 2014. Do social, economic and environmental benefits always complement each other? A study of landscape performance. *Landscape Architecture Frontiers* 2(1), 42-56. ISSN 2095-5405.
29. Manoj, K.C., Fang, X., Yi, Y.-J.\*, Li, M.-H., Thompson, D.B., Cleveland, T.G., 2014. Improved time of concentration estimation on overland flow surfaces including low-sloped planes. *Journal of Hydrologic Engineering* 19 (3), 495-508. DOI: 10.1061/(ASCE)HE.1943-5584.0000830.
30. Jiang, Q., Wang, W., Li, M.-H., 2014. The impacts of impermeable surface on urban waters and the mitigation strategies, *Urban Problems* 11, 50-55. ISSN 1002-2013.
31. Yang, B.\*, Li, M.-H., Li, S., 2013. Design-with-nature for multifunctional landscapes: environmental benefits and social barriers in community development. *International Journal of Environmental Research and Public Health* 10, 5433-5458. DOI: 10.3390/ijerph10115433. (Impact Factor=1.998).
32. Li, M.-H., McFalls, J., Yi, Y.-J.\*, 2013. Comparing erosion control products' performance results from field and large-scale laboratory testing. *Indian Geotechnical Journal* 43(4), 382-387. DOI: 10.1007/s40098-013-0058-2.
33. Li, M.-H., Dvorak, B., Luo, Y.\*, Baumgarten, M., 2013. Landscape performance: quantified benefits and lessons learned from a treatment wetland system and naturalized landscapes. *Landscape Architecture Frontiers* 1 (4), 56-68. ISSN 2095-5405.
34. Sung, C.Y.\*, Yi, Y.J.\*, Li, M.-H., 2013. Impervious surface regulation and urban sprawl as its unintended consequence. *Land Use Policy* 32, 317-323.
35. Li, M.-H., Sung, C.Y.\*, Kim, M.H.\*, Chu, K.-H., 2012. Performance of bioretention system in treating urban highway runoff: a comparison study of designs with and without an internal water storage layer. *Landscape Architecture Journal*, Beijing Forestry University, Beijing, China, ISSN 1673-1530 (in English and Chinese), 140-147.
36. Kim, M.H.\*, Sung, C.Y.\*, Li, M.-H., Chu, K.-H., 2012. Bioretention for stormwater quality improvement in Texas: removal effectiveness of Escherichia coli. *Separation and Purification Technology* 84, 120-124.
37. Sung, C.Y.\*, Li, M.-H., 2012. Considering plant phenology for improving the accuracy of urban impervious surface mapping in subtropical climate regions. *International Journal of Remote Sensing* 33 (1), 261-275.
38. Li, M.-H., Sung, C.Y.\*, Kim, M.\*, Chu, K.-H., 2011. Assessing performance of bioretention boxes in hot and semi-arid regions: a highway application pilot study. *Transportation Research Record: Journal of the Transportation Research Board* 2262, 155-163.
39. Sung, C.Y.\*, Li, M.-H., Rogers, G.O., Volder, A., Wang, Z., 2011. Investigating alien plant invasion in urban riparian forests in a hot and semi-arid region. *Landscape and Urban Planning* 100, 278-286.
40. Yang, B.\*, Li, M.-H., 2011. Assessing planning approaches by watershed streamflow modeling: case study of The Woodlands, Texas. *Landscape and Urban Planning* 99, 9-22.
41. McFalls, J., Raut Desai, A.\*, Foster, D., Li, M.-H., 2010. Proposed test protocol for evaluating the performance of sediment control devices for roadside stormwater runoff. *Transportation Research Record: Journal of the Transportation Research Board* 2170, 74-83.
42. Sung, C.Y.\*, Li, M.-H., 2010. The effect of urbanization on stream hydrology in hillslope watersheds in central Texas. *Hydrological Processes* 24, 3706-3717.
43. Yang, B.\*, Li, M.-H., 2010. Ecological engineering in a new town development: drainage design in The Woodlands, Texas. *Ecological Engineering* 36 (12), 1639-1650.
44. Li, M.-H., Yi, Y.-J.\*, McFalls, J., 2009. Lifetime cost and performance of slope erosion control products for construction. *Geosynthetics International* 16 (3), 139-146.

45. Lee, J.S.\* , **Li, M.-H.**, 2009. The impact of detention basin design on residential property value: case studies using GIS in the hedonic price modeling. *Landscape and Urban Planning* 89 (1-2), 7-16.
46. **Li, M.-H.**, Chibber, P.\* , 2008. Overland flow time of concentration on very flat terrains. *Transportation Research Record: Journal of the Transportation Research Board* 2060, 133-140.
47. **Li, M.-H.**, Khanna, S.\* , 2008. Aging of rolled erosion control products for channel erosion control. *Geosynthetics International* 15 (4), 224-231.
48. **Li, M.-H.**, Barrett, M.E., 2008. The relationship between antecedent dry period and highway pollutant: conceptual models of buildup and removal processes. *Water Environment Research* 80 (8), 740-747.
49. Olivera, F., Choi, J., Kim, D., **Li, M.-H.**, 2008. Estimation of average rainfall areal reduction factors in Texas using NEXRAD data. *Journal of Hydrologic Engineering* 13 (6), 438-448.
50. **Li, M.-H.**, Barrett, M.E., Rammohan, P.\* , Olivera, F., Landphair, H.C., 2008. Documenting stormwater quality on Texas highways and adjacent vegetated roadsides. *Journal of Environmental Engineering* 134 (1), 48-59.
51. **Li, M.-H.**, 2007. Lessons learned from web-enhanced teaching in landscape architecture studios. *International Journal on E-Learning* 6 (2), 205-212.
52. **Li, M.-H.**, 2006. Learning from streambank failures at bridge crossings: a biotechnical streambank stabilization project in warm regions. *Landscape and Urban Planning* 77 (4), 343-358.
53. **Li, M.-H.**, Gilbert, R.B., 2006. Mechanism of post-peak strength reduction for textured geomembrane-nonwoven geotextile interfaces. *Geosynthetics International* 13 (5), 206-209.
54. **Li, M.-H.**, Landphair, H.C., Arnold, M.A., Mullin, K., Eddleman, K.E., 2005. A dormancy extension technique for biotechnical streambank stabilization in warm regions. *Landscape and Urban Planning* 71 (2-4), 223-231.
55. **Li, M.-H.**, Murphy, M.D., 2004. Assessing the effect of supplemental web-based learning in two landscape construction courses. *Landscape Review* 9 (1), 157-161.
56. **Li, M.-H.**, Eddleman, K.E., 2002. Biotechnical engineering as an alternative to traditional engineering methods: a biotechnical streambank stabilization design approach. *Landscape and Urban Planning* 60 (4), 225-242.

### ***Edited Proceedings***

1. **Li, M.-H.** (Co-editor), 2016. *Landscape Research Record, No.3*, Design Implementation Track, Council of Educators in Landscape Architecture, pp. 112. ISSN 2471-8335.
2. **Li, M.-H.** (Editor-in-Chief), 2014. *Landscape Research Record, No.2*, Council of Educators in Landscape Architecture, pp. 222. ISBN 978-0-9853013-4-7.
3. **Li, M.-H.** (Editor), 2014. *Landscape, City and Community: Conference Proceedings*, Council of Educators in Landscape Architecture, Baltimore, Maryland, March 26-29, 2014, pp. 354. ISBN 978-0-985-3013-3-0.
4. **Li, M.-H.** (Editor-in-Chief), 2013. *Landscape Research Record, No.1*, Council of Educators in Landscape Architecture, pp. 423. ISBN 978-0-9853013-2-3.
5. **Li, M.-H.** (Editor), 2013. *Space • Time / Place • Duration: Conference Proceedings*, Council of Educators in Landscape Architecture, Austin, Texas, March 27-30, 2013, pp. 361. ISBN 978-0-985-3013-1-6.

### ***Peer-Reviewed Articles in Conference Proceedings***

1. Tao, Z.\* , Newman, G., Arnold, M., **Li, M.H.**, & Kim, J.H., 2019. The living green infrastructure lab: advancing interdisciplinary teaching and experiential learning in landscape architecture pedagogy. *Landscape Research Record No. 8*, Council of Educators in Landscape Architecture, 75-86.

2. Arnold, M.A., Newman, G., **Li, M.-H.**, Kim, J.-H., Chu, K.-H., 2018. Academic and economic benefits accrued from integration of nursery production and propagation learning experiences within a multidisciplinary low impact development (LID) landscape project. *Proceeding of the 62nd Annual Southern Nursery Association Research Conference*, 62, 7~11.
3. **Li, M.-H.**, Qu, T., Petersenn, T., 2016. Digital storytelling: effectiveness on study abroad experiential learning. *Landscape Research Record No.5*, Council of Educators in Landscape Architecture, 20–27.
4. Sohn, W.\* , Kim, J.-H., **Li, M.-H.**, 2015. Low impact development applications in urban watersheds: efficacy evaluation by imperviousness connectivity estimations. *Proceedings of the 8th Conference of the International Forum on Urbanism*. DOI: 10.3390/ifou-D003.
5. **Li, M.-H.**, Dvorak, B., Luo, Y.\* , Manskey, J., 2014. “Park Seventeen” residential roof garden: landscape performance and lessons learned. *Landscape Research Record No.2*, Council of Educators in Landscape Architecture, 148-156.
6. Luo, Y.\* , **Li, M.-H.**, 2014. How does it change after one year? A comparison of the Landscape Architecture Foundation’s published case studies in 2011 and 2012. *Landscape Research Record No.2*, Council of Educators in Landscape Architecture, 138-147.
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2. Sohn, W.\* , Brody, S., Kim, J.-H., **Li, M.-H.**, 2021. How effective are drainage systems in mitigating flood losses? *CELA 2021*, The Council of Educators in Landscape Architecture.
3. Sohn, W.\* , Kim, J.-H., Li, M.-H., 2020. Hydraulic connectivity of impervious surfaces as a key indicator of urban flood control. *American Geophysical Union*, Dec. 1-17.
4. Park, J., Kim, J.-H., **Li, M.-H.**, Lee, D.-K., 2020. Exploring cooling range: optimizing green space design to mitigate heat. *CELA2020 Conference Proceedings*, the Council of Educators in Landscape Architecture, 60.
5. Sohn, W.\* , Kim, J.-H., **Li, M.-H.**, Brown, B., Jaber, F., 2020. The effect of imperviousness on surface runoff under varying climate conditions. *CELA2020 Conference Proceedings*, the Council of Educators in Landscape Architecture, 68.

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7. Tao, Z., Newman, G., Arnold, M., **Li, M.-H.**, Kim, J.-H., 2019. The living green infrastructure lab: advancing interdisciplinary teaching and experiential learning in landscape architecture pedagogy. *CELA 2019*, the Council of Educators in Landscape Architecture annual meeting in Sacramento, CA, 49.
8. Sohn, W.\*., Kim, H.-W.\*., Kim, J.-H., **Li, M.-H.**, 2019. Assessing the capitalization effects of retention and detention ponds on single-family housing values. *CELA 2019*, the Council of Educators in Landscape Architecture annual meeting in Sacramento, CA, 75.
9. Park, J., Kim, J.-H., **Li, M.-H.**, Lee, D.-K., 2019. Spatial cooling ranges of small green spaces using a t-type thermocouple sensor. *CELA 2019*, the Council of Educators in Landscape Architecture annual meeting in Sacramento, CA, 104-105.
10. Zhao, T., Zhao, Y., **Li, M.-H.**, 2019. Landscape performance for coordinated development of rural communities and small towns based on “Ecological Priority and All-Area Integrated Development” guideline: a case study in east Zhejiang, China. *CELA 2019*, the Council of Educators in Landscape Architecture annual meeting in Sacramento, CA, 108-109.
11. Wang, R.\*., **Li, M.-H.**, 2019. Exploring stream water quality management with hydrologically sensitive area (HSA) approach: a case study in San Jacinto River Basin, Texas. *CELA 2019*, the Council of Educators in Landscape Architecture annual meeting in Sacramento, CA, 129-130.
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15. Arnold, M.A., Newman, G., **Li, M.-H.**, Kim, J.-H., Chu, K.-H., 2018. Academic and economic benefits accrue from integration of nursery production and propagation learning experiences within a multidisciplinary LID landscape project. Published Abstract, In: *2018 Southern Nursery Association Research Conference*, January 8~9, Baltimore, MD.
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19. Ellis, C., Whitlow, H., **Li, M.-H.**, Skabelund, L., 2018. Ubiquitous landscape monitoring: Fitting the landscapes with sensor technology for continuous monitoring and data collection. *CELA 2018*, the Council of Educators in Landscape Architecture annual meeting in Blacksburg, VT, 160.
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  24. **Li, M.-H.**, Davis, B., Crankshaw, N., Douglas, K., Hewitt, R., Pritchard, K., 2016. Four years or fives? Discussions on the recent movement of several undergraduate landscape architecture programs from five to four years in the United States, *Dilemma: Debate, CELA 2016*, the Council of Educators in Landscape Architecture annual meeting in Salt Lake City, UT, 101.
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  27. Wang, H.\*, **Li, M.-H.**, 2016. "Incomplete" green infrastructure: lessons learned from rapid urbanization in Beijing China, *Dilemma: Debate, CELA 2016*, the Council of Educators in Landscape Architecture annual meeting in Salt Lake City, UT, 59.
  28. Wang, R.\*, **Li, M.-H.**, 2016. Bioretention design parameters as predictors of pollutant removal efficiency: a data driven approach, *Dilemma: Debate, CELA 2016*, the Council of Educators in Landscape Architecture annual meeting in Salt Lake City, UT, 108.
  29. Kim, H.W.\*, **Li, M.-H.**, 2015. Ready or not: local land use planning and sustainable stormwater management, Published Abstract in *ACSP Conference Proceedings*, Association of Collegiate Schools of Planning, Houston, Texas, October 22 - 25, 2015.
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  34. **Li, M.-H.**, Dvorak, B., Luo, Y.\*, Manskey, J., 2014. "Park Seventeen" residential roof garden: landscape performance and lessons learned. Published Abstract, In: *Council of Educators in Landscape Architecture annual meeting* in Baltimore, MD, 126.

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36. Kim, H.W.\*, **Li, M.-H.**, 2014. Evaluating the impact of suburban development and low impact development practices on surface runoff in Cypress, Texas. Published Abstract, In: *Council of Educators in Landscape Architecture annual meeting* in Baltimore, MD, 273.
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45. Kim, H.W.\*, **Li, M.-H.**, Lee, H.K.\*, 2013. Economic analysis of residential rainwater harvesting systems in the City of Austin, Texas. Published Abstract, In: *Council of Educators in Landscape Architecture annual meeting* in Austin, TX, 298.
46. Cheng, T.-P.\*, **Li, M.-H.**, Ndubisi, F.O., 2013. Reviews of theoretical foundations of LEED-ND: scale issues in sustainable neighborhood development. Published Abstract, In: *Council of Educators in Landscape Architecture annual meeting* in Austin, TX, 305.
47. Mooney, P., **Li, M.-H.**, Ellis, C.D., Ozdil, T., Pitt, D., Taylor, P., 2013. Panel: State of CELA Research Initiatives. Published Abstract, In: *Council of Educators in Landscape Architecture annual meeting* in Austin, TX, 257.
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59. Yang, B.\*, Li, M.-H., 2008. Compare planning methods for neighborhoods: case study of stormwater in The Woodlands, Texas. Published Abstract in the Conference Papers CD-ROM, *ACSP-AESOP Fourth Joint Congress*, Chicago.
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### ***Book Chapter***

1. Ingold, T.S., **Li, M.-H.**, 2011. Chapter 10. Slopes – erosion control. In: S.K. Shukla (Ed.), *Handbook of Geosynthetic Engineering*, 2nd Edition, Thomas Telford Ltd., London, UK, 209-222.
2. **Li, M.-H.**, Dvorak, B., Sung, C.Y.\* , 2010. Bioretention, low impact development, and stormwater management. In: J. Aitkenhead-Peterson, V. Astrid (Eds.), *Urban Ecosystem Ecology*. Agronomy Monograph 55. American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America, Madison, WI, 413-430.
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2. **Li, M.-H.**, 2008. *Stream Restoration Design Handbook* (National Engineering Handbook, 210-VI, Part 654) Jerry M. Bernard, Jon Fripp and Kerry Robinson (Eds.) US Department of Agriculture, Natural Resources Conservation Service, 2007. *Landscape and Urban Planning* 87 (2), 97-98.

### ***Monographs and Technical Reports***

1. **Li, M.-H.**, Li, P., McFalls, J., Storey, B., Newman, G., 2013. Developing the Sediment and Erosion Control Laboratory to Become a Hands-on Training and Education Center. Technical Report, No. SWUTC/13/161306-1, Texas A&M Transportation Institute, College Station, TX, pp. 142.
2. McFalls, J., Yi, Y.-J., **Li, M.-H.**, 2013, Senseman, S., 2013. Evaluation of Generic and Branded Herbicides: Technical Report. Report No. FHWA/TX-13/0-6733-1, Texas A&M Transportation Institute, College Station, TX, pp. 64.
3. **Li, M.-H.**, Sung, C.Y., Swapp, M., Kim, M.H., Chu, K.-H., McFalls, J., 2013. Bioretention for Stormwater Quality Improvement in Texas: Final Report. Report No. FHWA/TX-13/0-5949-4, Texas Transportation Institute, College Station, TX, pp. 132.
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### ***Paper in Conference Proceedings***

1. Tao, Z.\*, Newman, G., Arnold, M., Li, M.-H., Kim, J.-H., 2019. The living green infrastructure lab: advancing interdisciplinary teaching and experiential learning in landscape architecture pedagogy. *Conference Proceedings*, the Council of Educators in Landscape Architecture annual meeting in Sacramento, CA, 122-132.
2. Arnold, M.A., Newman, G.D., Li, M.-H., Kim, J.-H., Chu, K.-H., 2018. Academic and economic benefits accrued from integration of nursery production and propagation learning experiences within a multidisciplinary LID landscape project. *Proceedings of the Southern Nursery Association Research Conference*. 7-11.
3. Li, M.-H., Qu, T., Petersenn, T., 2016. A digital storytelling: effectiveness of study abroad experiential learning. Dilemma: Debate, CELA 2016, the Council of Educators in Landscape Architecture annual meeting in Salt Lake City, UT, 400-407.
4. Li, M.-H., Dvorak, B., Luo, Y.\*, Baumgarten, M., 2013. Cross Creek Ranch master planned community: landscape performance and lessons learned. Paper No. 13-59. Austin, Texas: Council of Educators in Landscape Architecture, 533-543.
5. Luo, Y.\*, Li, M.-H., 2013. Do social, economic and environmental benefits always complement each other? A study of landscape performance. Paper No. 13-61. Austin, Texas: Council of Educators in Landscape Architecture, 566-577.
6. Kim, Y.-J.\*, Kim, J.-H., Li, M.-H., 2013. Web-enhanced teaching in landscape architecture construction studios. Paper No. 13-12. Austin, Texas: Council of Educators in Landscape Architecture, 92-100.
7. Li, M.-H., Sung, C.Y.\*, Kim, M.H.\*, Chu, K.-H., 2012. Comparing performance of bioretention boxes with and without an internal water storage layer: a study for highway application. 91st Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
8. Li, M.-H., Sung, C.Y.\*, Kim, M.H.\*, Chu, K.-H., 2011. Assessing performance of bioretention boxes in hot and semi-arid regions: a highway application pilot study. 90th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
9. Li, M.-H., McFalls, J., 2010. Stabilizing stream bridge crossings with soil bioengineering techniques: A Texas Department of Transportation demonstration project. Compendium of Papers DVD, 89th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
10. McFalls, J., Raut Desai, A.\*, Foster, D., Li, M.-H., 2010. Proposed test protocol for evaluating the performance of sediment control devices for roadside stormwater runoff. Compendium of Papers DVD, 89th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.

11. **Li, M.-H.**, Chibber, P.\* , 2008. Overland flow time of concentration on very flat terrains. Compendium of Papers DVD, 87th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
12. **Li, M.-H.**, Yi, Y.-J.\* , McFalls, J., 2008. Lifetime cost and performance of slope erosion control products for construction. Compendium of Papers DVD, 87th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
13. **Li, M.-H.**, Barrett, M.E., 2007. Revisit highway pollutant buildup and removal process. Compendium of Papers CD-ROM, 86th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
14. **Li, M.-H.**, McFalls, J., Foster, D., Raut Desai, A.B.\* , 2007. Erosion control performance of crimped straw mulch on simulated highway roadsides. Compendium of Papers CD-ROM, 86th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
15. Storey, B., Raut Desai, A.B.\* , **Li, M.-H.**, 2007. The effects of seeding compost filter berms: a water quality and structural performance study. Compendium of Papers CD-ROM, 86th Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
16. Khanna, S.\* , **Li, M.-H.**, 2006. Aging effects of environmental factors on seven rolled erosion control products used as turf reinforcing mats. American Society of Agricultural Engineers Paper No. 062303. Portland, OR: ASABE.
17. **Li, M.-H.**, Chibber, P.\* , and Cahill, A.T., 2005. Estimating time of concentration of overland flow on very flat terrains. American Society of Agricultural Engineers Paper No. 052107. Tampa, FL: ASAE.
18. **Li, M.-H.**, 2004. Learning from Streambank Failures: A streambank soil bioengineering design project in hot climate areas. American Society of Agricultural Engineers Paper No. 042229. Ottawa, Canada: ASAE.
19. **Li, M.-H.**, Landphair, H.C., McFalls, J., 2003. Comparison of field and laboratory experiment test results for erosion control products. American Society of Agricultural Engineers Paper No. 032352. Las Vegas, NV: ASAE.
20. **Li, M.-H.**, Landphair, H.C., Mullin, K., 2003. Biotechnical streambank stabilization: challenges of warm region application. Compendium of Papers CD-ROM, 82nd Annual Meeting of the Transportation Research Board, National Academies, Washington, D.C.
21. **Li, M.-H.**, Landphair, H.C., 2003. Refrigerating woody cuttings helps extend plant dormancy: a promising treatment to extend the construction period for biotechnical streambank stabilization in warm regions. American Society of Agricultural Engineers Paper No. 032128. Las Vegas, NV: ASAE.

## GRANTS AND CONTRACTS

### *External Competitive Research Grants and Contracts*

(% in brackets indicates my share in budget).

- 2015 – 2017 (Researcher) Soil and Erosion Control Laboratory of Texas A&M Transportation Institute, funded by TxDOT \$325,000 (Project No. 191860) (2%).
- 2012 – 2013 (PI) Developing the Hydraulics, Sedimentation and Erosion Control Laboratory to Become A Hands-on Training and Educational Center. Southwest Region University Transportation Center. With Galen Newman, Jett McFalls and Beverly Storey, \$45,000 (100%).
- 2012 (PI) Case Study Investigation for Landscape Performance. Landscape Architecture Foundation. With (co-PI) Bruce Dvorak, and Yi Luo, \$6,720 (93%).
- 2011 – 2012 (Co-PI) Evaluation of Generic and Branded Herbicides. Texas Department of Transportation. With (PI) Jett McFalls (Texas Transportation Institute). \$130,000 (8%).

- 2010 – 2013 (Co-PI) Preparing for EPA Effluent Limitation Guidelines. Texas Department of Transportation. With (PI) Jett McFalls (Texas Transportation Institute), Michael Barrett (The University of Texas at Austin) and Ted Cleveland (Texas Tech University). \$736,293 (17%).
- 2009 – 2011 (Co-PI) Establish Effective Lower Bounds of Watershed Slope for Traditional Hydrologic Methods. Texas Department of Transportation. With (PI) Ted Cleveland (Texas Tech University) and Will Asquith (USGS). \$464,600 (26%).
- 2007 – 2012 (PI) Bioretention for Stormwater Quality Improvement in Texas. Texas Department of Transportation. With Mike Teal (Texas Transportation Institute) and Kung-Hui Chu (TAMU). \$564,364 (70%).
- 2008 – 2009 (Researcher) Stormwater Treatment with Vegetated Buffer, National Cooperative Highway Research Board Project 25-25, Task 53. With (PI) Beverly Storey, Jett McFalls and Cambridge Systematics, Inc. \$50,000 (5%).
- 2008 – 2009 (Co-PI) Using SWAT to Compare Planning Methods for Neighborhoods: Case Study of Stormwater in The Woodlands, Texas. With Bo Yang (PI) and Chang-Shan Huang. Funded through US Geological Survey 104B program, Grant number 2008TX310B. \$5,000.
- 2007 – 2009 (Co-PI) Water Retention Techniques for Roadside Vegetation Establishment in Arid Regions of Texas. Texas Department of Transportation. With Jim Schutt (PI, Texas Transportation Institute), Jim Rogers (WTAMU) and Clay Robinson (WTAMU). \$183,000 (3%).
- 2007 – 2009 (Co-PI) Roadside Sediment Control Device Evaluation Program. Texas Department of Transportation. With Jett McFalls (PI, Texas Transportation Institute). \$270,000 (5%).
- 2006 – 2010 (Co-PI) Synthesis and Study of the Establishment and Management of Roadside Vegetation. Texas Department of Transportation. With Jim Schutt (PI) and Jett McFalls (Texas Transportation Institute). \$510,000 (5%).
- 2006 – 2007 (Researcher) Developing Sustainable Transportation Performance Measures for TxDOT's Strategic Plan. Texas Department of Transportation. With Josias Zietsman (PI) and others (Texas Transportation Institute). \$138,000 (9%).
- 2005 – 2006 (Co-PI) Develop Guidance for Selecting and Cost-Effective Application of Temporary Erosion Control Methods. Texas Department of Transportation. With, Jett McFalls (PI) and Harlow Landphair (Texas Transportation Institute). \$72,695 (50%).
- 2004 – 2005 (Researcher) SDDOT Water Quality Enhancement Program for Construction. South Dakota Department of Transportation. With Harlow Landphair (PI), Beverly Storey and Jett McFalls (Texas Transportation Institute). \$98,000 (10%).
- 2004 – 2007 (PI) Successional Establishment, Mowing Response, and Erosion Control Characteristics of Roadside Vegetation. Texas Department of Transportation. With Jett McFalls (Co-PI), Jim Schutt and Harlow Landphair (Texas Transportation Institute). \$291,000 (30%).
- 2004 – 2006 (Co-PI) Comparison of Alternative Seed Mixes to Standard TxDOT Specifications. Texas Department of Transportation. With Jett McFalls (PI) (Texas Transportation Institute) and Jim Schutt (Texas Transportation Institute). \$125,000 (30%).
- 2003 – 2007 (PI) Non-Proprietary, Small Footprint Stormwater Quality Structures for Urban Areas. Texas Department of Transportation. With Harlow Landphair (Co-PI) (Texas Transportation Institute) and Francisco Olivera (Texas A&M University). \$296,000 (30%).
- 2003 – 2005 (Researcher) GIS Static Storm Model Development. Texas Department of Transportation. With Francisco Olivera (PI) (Texas A&M University). \$168,000 (10%).

- 2003 – 2005 (Co-PI) Stormwater Quality Documentation of Roadside Shoulders and Borrow Ditches. Texas Department of Transportation. With Harlow Landphair (Co-PI) (Texas Transportation Institute) and Francisco Olivera (Texas A&M University). \$149,000 (30%).
- 2002 – 2004 (Co-PI) Identify Appropriate Size Limitation for Hydrologic Methods. Texas Department of Transportation. With David Thompson (PI) (Texas Tech University), Tony Cahill (Texas A&M University). \$136,600 (5%).
- 2002 – 2004 (Co-PI) Characteristics of Compost Filter Berms. Texas Commission on Environmental Quality and Texas Department of Transportation. With Beverly Storey (PI) (Texas Transportation Institute), Tim Kramer (Texas A&M University). \$107,500 (50%).
- 2001 – 2003 (Co-PI) Estimating Travel Time of Direct Runoff in Areas of Very Flat Terrain. Texas Department of Transportation. With Tony Cahill (PI) (Texas A&M University). \$152,000 (50%).

### ***Internal Competitive Grants***

- 2018 (PI) Partnering with the National Chung-Hsing University to Help Developing Countries in Southeast Asia Solve Food, Energy, Transportation and Water Problems. With Peilei Fan, Jun-Hyun Kim, Gretchen Neisler and Teresa Qu, Center for Advanced Study of International Development, Michigan State University. \$10,000.
- 2015 – 2018 Aggie B.L.U.E.print Laboratories. Tier One Program (TOP) interdisciplinary education grant, Texas A&M University. With (PI) Galen Newman, Jun-Hyun Kim, Michael Arnold and Kung-Hui Chu. \$300,000.
- 2015 – 2016 Aggie B.L.U.E.print Center, Aggie Green Fund, Texas A&M University. With (PI) Galen Newman, and Jun-Hyun Kim \$61,500.
- 2013 – 2015 (Co-PI) Bridging Hydrology, Governance, Culture and Scarcity for Effective Rio Grande Water Management: An Interdisciplinary Experiential Learning and Research, Tier One Program (TOP) interdisciplinary education grant, Texas A&M University. With (PI) Ron Kaiser, Rick Giardino, Patricia Smith, Ralph Wurbs and Kevin Gamache. \$139,250.
- 2012 – 2013 Real Projects: An Interdisciplinary Proposal for High Impact Learning through Service to the Community. College of Architecture, Texas A&M University. With (PI) Mark Clayton, Joshua Bienko, Ben Bigelow, Geoffrey Booth, Bruce Dvorak, Julian Kang, Zofia Rybkowski, and Jose Solis. \$25,000.
- 2008 (PI) Request of Funding for Purchasing SMART Board/TV Set. Instructional Enhancement/Equipment Fee Fund, College of Architecture, Texas A&M University. \$13,000.
- 2006 (PI) Purchase of Tablet PCs to Improve both Student Access and Studio Educational Technology. Computer Access/Instructional Technology Fee (CA/ITF) Funds, Texas A&M University. With Chris Ellis (Texas A&M University). \$48,000 (50%).

## **PRESENTATIONS**

### ***Invited Speeches/Workshops***

- “Diversity in Action Panel Discussion” Office of Diversity, Equity and Inclusion, CANR, MSU. On April 16, 2021.
- “Resilient Natural Infrastructure Systems” The 2021 Resilient Planning Webinar Series, MSU Extension/School of Planning, Design and Construction. On April 7, 2021.

- “Mid-late Career Scholar Networking: Building on and Living Your Success” as co-facilitator. hosted MSU Diversity Research Network, Office for Inclusion and Intercultural Initiatives. On October 20, 2020.
- “Higher Education Reflections and Planning for Fall 2020”, hosted by Education and Practice Professional Practice Network, American Society of Landscape Architects (along with three other panelists), July 23, 2020.
- Keynote Address** for the 2017 Tau Sigma Delta new member induction ceremony of the Alpha Chapter at Texas A&M University, April 22, 2017.
- “Landscape Performance” Chao-Yang University of Technology, Taichung County, Taiwan, November 17, 2016.
- “Research in Environment and Planning Program, Texas A&M Transportation Institute” at Soil and Water Conservation Bureau, Council of Agriculture, Taiwan, November 16, 2016.
- “Use of Vegetation in Rural & Urban Infrastructure” at 2016 Third Gear Up Forum, National Chung-Hsing University, Taiwan, November 14, 2016.
- “Seminar for WMHS Water Daze” at 2016 Water Daze conference, Texas A&M University, March 30, 2016.
- (Keynote)** “Fellows Panel of Leaders” at 2016 Council of Educators in Landscape Architecture annual conference, March 26, 2016.
- “Diversity & Retaining Emerging Professionals” with APA President, LAF President, LAAB Chair and CLARB President for ASLA Board of Trustees during 2015 ASLA Conference, Chicago.
- “Low Impact Development and Green Infrastructure” workshop at Fugen Catholic University, Taiwan, September 29-October 2, 2014.
- “Low Impact Development and Green Infrastructure” workshop at Peking University, Beijing, China, August 4-10, 2014.
- “Stormwater Management with Low Impact Development Approach” Beijing Tsinghua Urban & Design Institute, Beijing, China, August 5, 2014.
- “Landscape Performance” Tongji University, Shanghai, China, July 28, 2014.
- “Low Impact Development and Green Infrastructure” workshop at Tunghai University, Taichung, Taiwan, December 17-23, 2013.
- “Landscape Performance” Taiwan Institute of Landscape Architects, December 26, 2013.
- “Landscape Performance” National Chin-Yi University of Technology, Taichung County, Taiwan, December 19, 2013.
- “Landscape Performance: Overview & Case Study Investigation” Beijing Tsinghua Urban & Design Institute, Beijing, China, June 26, 2013.
- “Stormwater Management with Low Impact Development Approach” College of Architecture and Landscape Architecture, Peking University, Beijing, China, June 24, 2013.
- “Landscape Performance: 2012 Case Study Investigation” Department of Landscape Studies, Tongji University, Shanghai, China, June 11, 2013.
- “Landscape Performance: 2012 Case Study Investigation” College of Landscape Architecture, Nanjing Forestry University, Nanjing, China, June 7, 2013.
- “Stormwater Management with Low Impact Development Approach” College of Landscape Architecture, Nanjing Forestry University, Nanjing, China, June 4, 2013.
- “Overview of highway stormwater management research” Lecture Series, Institute of Transportation Engineering, Zhejiang University, Hangzhou, China, June 13, 2011.
- “Low impact development: stormwater management with multidisciplinary approach” Lecture Series, Department of Landscape Studies, Tongji University, Shanghai, China, June 7, 2011.
- “Low impact development: stormwater management with multidisciplinary approach” Lecture Series, School of Landscape Architecture, Beijing Forestry University, Beijing, China, June 1, 2011.
- “Bioretention for hot and semi-arid climate: a TxDOT research and design case” Texas Chapter ASLA Conference in Galveston, TX, April 29, 2011.

- “Landscape architecture and stormwater management” Lecture Series, Department of Landscape Architecture, Tunghai University, Taichung, Taiwan, March 15, 2011.
- “Low impact development: integrating landscape architecture and stormwater management” Landscape Practice Conference, National Chin-Yi University of Technology, Taichung County, Taiwan, March 12, 2011.
- “Landscape architecture and stormwater management” Seminar Series, Department of Horticultural Sciences, National Taiwan University, Taipei, Taiwan, March 9, 2011.
- “Use of vegetation for urban infrastructure and stormwater management” Invited Seminar, Department of Horticultural Sciences, Texas A&M University, October 21, 2010.
- “Large scale bioretention” In “Managing Wet Weather with Green Infrastructure Workshop” sponsored by EPA Region 6 office and the City of San Antonio, February 17-18, 2009.
- “Diversity of landscape architecture: the engineering chapter.” 2008 Graduation and Final Presentation, Department of Landscape Design and Management, National Chin-Yi University of Technology, Taichung County, Taiwan on June 15, 2008. Invited by Department Chair, Dr. Ke-Tsung Han.
- “Streambank soil bioengineering: Texas design cases and design references.” 2008 Texas Chapter ASLA Conference in Fort Worth, TX, April 3-4, 2008. Invited by Texas Chapter ASLA and approved for continuing education professional hours.
- “What is good teaching?” and “Classroom communication strategies.” Teaching Assistant Training and Evaluation Program of Center of Teaching Excellence at Texas A&M University, August 23, 2006.
- “Good water, bad water: stormwater management.” Invited Seminar to LAND 681, Department of Landscape Architecture and Urban Planning, Texas A&M University, September 14, 2005.
- “Fuzzy edges between red, green and blue: hot climates in streambank soil bioengineering.” Invited Seminar, Department of Geography, Texas A&M University, February 13, 2004.
- “Virtual downtown.” 12th Science, Technology & YOUth Symposium in College Station, TX, 1998.

### ***Conference/Meeting Presentations***

*(Note: Presentations listed under “Conference Proceedings are **not** re-listed here.)*

- “What Does Diversity Mean to Us as A Profession?” with Pat Taylor, Forster Ndubisi, Charles Klein and Jason Sowell. Texas ASLA Annual Meeting, April 29, 2016.
- “Five to Four: What Difference Does a Year Make?” with Charles Klein, Sohyun Park and Yi Luo. Texas ASLA Annual Meeting, April 28, 2016.
- “Imagined or Real? Landscape Performance Benefits of a Treatment Wetland System and Rooftop Garden in Texas” Texas ASLA Annual Meeting, April 23, 2015.
- “Performance of a Texas Field Bioretention Cell in Treating Urban Highway Runoff: A Comparison Study of Designs with and without An Internal Water Storage Layer” 2015 International Low Impact Development Conference, Houston, January 19, 2015.
- “Bioretention for Hot and Semi-arid Climates: A TxDOT Research and Design Case” Texas ASLA Annual Meeting, April 29, 2011.
- “Streambank Soil Bioengineering: Texas Design Cases and Design References” Texas ASLA Annual Meeting, April 4, 2008.
- “Erosion and Sediment Control BMPs on Construction Sites.” 2007 Texas Chapter ASLA Conference in Houston, TX, April 18-20, 2007.
- “The Investigation of Roadside Vegetation Successional Changes: An Implication on Environmental Planning.” Presented in the ACSP Annual Meeting, Fort Worth, TX, November 9-12, 2006.
- “Soil bioengineering integrated with a traditional structural stabilization measure: a demonstration project in hot climate areas.” International Erosion Control Association Annual Conference & Expo in Dallas, TX, February 20-23, 2005.
- “Practice in China: Opportunities and Challenges” 2005 Texas Chapter ASLA Conference in Austin, TX, March 30 – April 2, 2005.

(Panel Moderator) "Culture sensitive design: case studies of recent practice in China." American Society of Landscape Architects Annual Meeting in Salt Lake City, UT, October 30-November 2, 2004.

(Moderator) "Learning from streambank failures: a streambank soil bioengineering design project in hot climate areas." American Society of Agricultural Engineers International Meeting in Ottawa, Canada, August 1-4, 2004.

"Assessing the effect of supplemental web-based learning in two landscape construction courses." Council of Educators in Landscape Architecture annual meeting in Christchurch, New Zealand, June 24-29, 2004.

"Application of multimedia presentation in design." with Chang-Shan Huang in Student Workshop 2003 "No Limits", Texas A&M University, College Station, TX on February 22, 2003.

"The utilization of interactive multimedia in landscape architecture practice." LandTech session, ASLA annual meeting in Saint Louis, MO, 2000.

"Revitalization of downtown Bryan." to the Bryan City Council, the City of Bryan, TX, 1998.

### ***Conference Moderator***

2004 Session C2: Culture-Sensitive Design: Case Studies of Recent Practice in China, American Society of Landscape Architects, October 30.

2004 Session 216: Shoreline, Streambank and Channel Erosion, American Society of Agricultural Engineers International Meeting, August 4.

2003 Concurrent Session 6, Council of Educators in Landscape Architecture, September 26.

### ***Poster Presentations***

"The Application of Digital Storytelling on Study Abroad Learning" with Tongbin Qu and Ture Petersenn for 2016 European Council of Landscape Architecture Schools annual meeting, Sep. 11-14.

"Digital Storytelling: Effectiveness on Study Abroad Experiential Learning" with Tongbin Qu and Ture Petersenn for 2016 Council of Educators in Landscape Architecture annual meeting, March 23-26.

"Aggie B.L.U.E.print Laboratories: Building Lasting University Environments – A Multi-Disciplinary Teaching Opportunity" with Galen Newman, Jun-Hyun Kim, Mike Arnold and Kung-Hui Chu for 2016 American Society for Horticultural Science annual meeting, Atlanta, GA, August 8-11.

"Estimating time of concentration of overland flow on very flat terrains." American Society of Agricultural Engineers International Meeting in Tampa, FL, July 17-20, 2005.

"A technique to extend plant dormancy for biotechnical engineering in warm regions." International Erosion Control Association annual conference & expo in Philadelphia, PA, February 16-20, 2004.

"Refrigerating woody cuttings helps extend plant dormancy: a promising treatment to extend the construction period for biotechnical streambank stabilization in warm regions." The National Roadside Vegetation Management Association annual conference in Spokane, WA, October 6-8, 2003.

"A solution to extend plant dormancy for biotechnical streambank stabilization in warm regions." Council of Educators in Landscape Architecture annual meeting in Charleston, SC, September 23-27, 2003.

## TEACHING/ADVISING/MENTORING

### *University Courses*

(Online) Introduction to Landscape Architectural Practices, (Study Abroad in Germany, China and Taiwan) Sustainable Communities, Design and Planning for Soil and Water Management, Landscape Architectural Construction, Landscape Architecture Site Development, Landscape Design (at sophomore, junior and senior levels), Low Impact Development, Sustainable Stormwater Management.

### *Mentoring and Advising*

2010 – 2017 Mentor of junior faculty members (including Bruce Dvorak, Jun Hyun Kim, Galen Newman, Eric Bardenhagen, Wei Li and Jeremy Merrill).

2011 – 2017 Faculty advisor, Student Chapter of American Society of Landscape Architects, TAMU.

### *Graduate Committee*

Student Name	Faculty Role	Degree Sought	Topic/Title	Graduation Date
Runzi Wang	Chair	Ph.D., Michigan State University	Watershed Hydrologically Sensitive Area	2020
All students below were Texas A&M University students				
Won Min Sohn	Chair	Ph.D.	Directly Connected Impermeable Area	2019
Kayode Atoba	Member	Ph.D.	Structural Flood Mitigation by Fill	2018
Gopika Nair	Co-chair	MUP	TAMU Campus Commute Assessment	2017
Meredith Clark	Member	MArch	Architecture	2017
Tara Ramani	Chair	Ph.D.	Sustainable Transportation	2017
Nicholas Wester	Chair	MLA	Sustainable Communities	2016
Chenqu Fu	Chair	MLA	Community Gardens	2016
Hyun Woo Kim	Chair	Ph.D.	Comprehensive Plan Evaluation for Sustainable Stormwater Management	2015
Hyekyung Lee	Member	Ph.D.	Spatial Assessment of Green Infrastructure	2015
Corrin Breeding	Member	MLPD	MLPD Learning ePortfolio	2015
Wanyuzi Wang	Member	MArch	Healthcare Residential Facility for Elderly Veterans	2015
Won Min Sohn	Co-chair	MLA	Research of LID Application	2015
Yue Yao	Member	MLA	Cypress Creek Trail System	2015
Yi Luo	Chair	Ph.D.	Landscape Performance	2014
Pengzhi Li	Chair	MLA	Mueller Redevelopment Redesign	2014
Min-Cheng Tu	Member	Ph.D. in WMHS	Stormwater Quality Modeling	2014
Jiayu Chen	Member	MArch	Children Hospital	2014
Jingqiu Zhang	Member	M.S. in Civil Engineering	Bioretention Performance Modeling	2014
Izel Medina	Member	MUP	Sustaining Stormwater Runoff	2013
Matthew McCreary	Chair	MLA	EPA Rainworks: Hensel Student Housing Redevelopment, TAMU	2013
Cong Bian	Member	MLA	Ranch residential design	2013
Qingshu Wang	Member	MLA	AgriLife Headquarters Landscape Design	2013
Lingyan Miao	Member	MLA	Ranch residential design	2013
Pat Kultgen	Member	MUP	Perceived Risk of Siting a Wastewater Treatment Plant	2013

Student Name	Faculty Role	Degree Sought	Topic/Title	Graduation Date
Mark Swapp	Chair	MLA	Green Infrastructure Plan for TAMU Campus	2012
Young-Jae Yi	Co-Chair	Ph.D.	Urban Form and Auto Travel Patterns at the Regional Scale	2012
Kent Milson	Member	MUP	Comparison of Emerging Contemporary Development Models	2012
Kenon Boehm	Member	MLA	Eco, Sustainable Homestead	2011
Chan Yong Sung	Chair	Ph.D.	Ecological Planning	2010
Che-Chia Chang	Member	MLA	TTI Headquarters Design	2010
Michael Droske	Member	MLA	Sustainable Homestead Plan	2010
Matt O'Toole	Member	MLA	Bertram Masterplan	2010
Travis Scott	Member	MUP	Water Conservation Practice	2010
Jae Su Lee	Co-chair	Ph.D.	Sustainable Transportation	2009
Dongkyun Kim	Member	Ph.D. in Civil Engineering	Hydrology and GIS	2009
Bo Yang	Co-chair	Ph.D.	Eco-hydrologic Planning and Stormwater Management	2009
Tasha Davis	Member	MLA	Wetland Creation, Cypress Creek	2009
Muzibur Rahman	Member	M.S. in Construction Science	4D Visualization	2008
Sheena Arora	Member	MLA	Urban Design	2008
Nick Biewenga	Member	MLA	Architecture Ranch Masterplan	2008
Megan Meier	Member	M.S. in WMHS	Stream Restoration	2008
Lee Wheelock	Chair	MLA	Day Springs Church Open Space Master Plan	2007
Arnes Purdy	Chair	MLA	White Creek Greenway Preservation	2007
Jennifer Trojczak	Member	MArch	Health Facility	2007
Benjamin Prais Israel Devadason	Member	M.S. in Civil Engineering	Contraction Scour in Compound Channels with Cohesive Soil Beds	2007
Bret Elder	Member	MLA	Timberland Utility District	2007
Kati Stoddard	Member	MS in WMHS	Aresnic in Drinking Water	2007
Pavitra RamMohan	Co-Chair	M.S. in Civil Engineering	Roadside Stormwater Quality Documentation	2006
Hyunjung Byun	Co-Chair	MLA	Southeast Community Park	2006
Tad French	Co-Chair	M.S. in Land Development	Natural Development: The Synergy of Ecological Principles with Residential Development	2005
Yun Zhao	Co-Chair	MLA	American Bodhi Center Master Plan	2005
Dipti Trivedi	Co-Chair	MLA	American Bodhi Center Master Plan	2005
Sumee Khanna	Co-Chair	M.S. in Civil Engineering	Aging Effects of Environmental Factors on Rolled Erosion Control Products	2005
Shweta Gupta	Member	MLA	Providence Church Memorial Park	2005
Jui Gadade	Member	MLA	Habitat Community Design	2005
Paramjit Chibber	Member	M.S. in Civil Engineering	Overland Flow Time of Concentration on Flat Terrains	2004
John Lang-Viem Truong	Member	M.S., the viz lab program of architecture	Handling Hands	2004
Dexing Dai	Member	M.S. in Construction Science	Additional Responsibilities of Project Managers on Green Building Projects	2004

**SERVICE*****International/National***

- 2020 – present Member, Green New Deal Superstudio advisory committee, Landscape Architecture Foundation.
- 2010 – present Member, Landscape and Environmental Design Committee (AKD40, formerly AFB40), Transportation Research Board of the National Academies.
- 2019 – 2020 Member, *Landscape Journal* taskforce
- 2012 – 2019 Member, Research Committee, Landscape Architecture Foundation.
- 2018 Member, Executive Director Search Committee, Council of Educators in Landscape Architecture.
- 2016 – 2017 Past President and Member of Executive Committee, Council of Educators in Landscape Architecture.
- 2016 Member, Task Analysis for the Council of Landscape Architectural Registration Boards (CLARB).
- 2015 – 2016 President and Member of Executive Committee, Council of Educators in Landscape Architecture.
- 2014 – 2015 President-Elect and Member of Executive Committee, Council of Educators in Landscape Architecture.
- 2012 – 2014 Member of Board of Directors, Landscape Architecture Foundation.
- 2012 – 2014 Vice President for Research and Member of Executive Committee (elected), Council of Educators in Landscape Architecture.
- 2011 & 2012 Chair, Awards Committee, Council of Educators in Landscape Architecture.
- 2010 – 2012 2nd Vice President and Member of Executive Committee (elected), Council of Educators in Landscape Architecture.
- 2008 – 2012 Co-chair, Design Implementation Track, Council of Educators in Landscape Architecture.
- 2008 – 2012 Member, Sustainability Track, Council of Educators in Landscape Architecture.
- 2003 – 2010 Soil and Water Committee (SW-22), American Society of Agricultural and Biological Engineers.
- 2002 – 2006 Board Member (2005 – 2006), President (2004 – 2005), Secretary/President Elect (2003 – 2004), Vice President (2002 – 2003); Overseas Chinese Landscape Architects Association.
- 1999 & 2003 Technical Advisory Panel, Research Management Committee 3, Texas Department of Transportation.

***College/University***

- 2021 Chair, Dean's Diversity and Inclusion Excellence Awards Committee, College of Social Science, Michigan State University.
- 2020 – present Member, Dean's Advisory Board on Diversity and Inclusion, College of Social Science, Michigan State University.
- 2017 Member, College Promotion and Tenure Committee, College of Architecture, Texas A&M University.
- 2012 – 2017 Member, Executive Committee, Water Management and Hydrologic Science, Texas A&M University.

- 2011 – 2017 Advisor, Texas A&M University Student Chapter of American Society of Landscape Architects.
- 2016 Member, COSC Promotion and Tenure Committee, Department of Construction Science, TAMU.
- 2013 & 2014 Member, Outstanding Alumni Selection Committee, College of Architecture, Texas A&M University.
- 2013 Coordinator, “Real Projects Design Week,” College of Architecture, Texas A&M University.
- 2010 Member, Promotion and Tenure Committee, College of Architecture, Texas A&M University.
- 2009 – 2011 Faculty Senator, Texas A&M University.
- 2006 – 2011 Secondary Advisor, Texas A&M University Student Chapter of American Water Resources Association.
- 2007 – 2008 Member, New Dean of College of Architecture Search Committee, Texas A&M University.
- 2006 Member, Architecture Ranch Committee.
- 2006 – 2007 Member, Committee to Form a Department of Visualization.
- 2005 – 2010 Member, Publication Committee.

***Department (LAUP, Texas A&M)***

- 2011 – 2017 Chair, Student Advisory Council.
- 2011 – 2017 Faculty Advisor, student chapter of American Society of Landscape Architects.
- 2010 – 2017 Faculty Mentor, for Bruce Dvorak, Jun Hyun Kim, Eric Bardenhagen, Wei Li and Jeremy Merrill (junior faculty members).
- 2010 – 2017 Leader of LAUP Assessment.
- 2010 – 2017 Member, Ph.D. Advisory Committee.
- 2003 – 2017 MLA Admissions.
- 2003 – 2017 BLA/MLA Advisory Committee.
- 2015 BLA Program Accreditation leader.
- 2014 Co-chair, faculty search committee.
- 2015 – 2016 Chair, peer review of teaching taskforce.
- 2012 – 2016 Member, LAUP Promotion and Tenure Committee.
- 2010 Faculty Workload and Incentive Task Force.
- 2007 – 2012 BS-URPN Advisory Committee.
- 2007 – 2009 MUP Advisory Committee.
- 2005 LAUP Strategic Plan-Communication.
- 2005 LAUP Strategic Plan-Research and Scholarship.
- 2003 – 2004 Signature Faculty Search Committee.
- 2003 – 2004 MLA, MUP and MSLD Curriculum Integration Research Committee.
- 2003 BLA Accreditation.
- 2003 BLA Curriculum Review Committee.

***Local Community***

- 2011 Member, Green College Station Advisory Committee, City of College Station, Texas.

2008 – 2010 Technical Advisor to the Green College Station Action Plan, City of College Station, Texas.

### ***Editorial Work***

- Editorial Board Member, *Landscape Architecture Journal*, Beijing Forestry University, Beijing, China, ISSN 1673-1530 (since 9/2014).
- Editorial Board Member, *Journal of Architecture and Forestry* (since 3/2014).
- International Editorial, *Landscape Architecture Frontiers* (since 2013).
- Editorial Advisory Board, *The Open Urban Studies Journal* (since 12/2007).
- Book Review Editor, *Landscape and Urban Planning*, Elsevier (11/2007 – 12/2010).
- Editor/co-editor and Designer, Perspectives, the newsletter of Texas A&M University Department of Landscape Architecture and Urban Planning (2004 – 2008).
- Designer, AggieLAND, the newsletter of Texas A&M University Landscape Architecture Program (2003).
- Editor, Designer, the official newsletter of Overseas Chinese Landscape Architects Association (OCLAA) (2002 – 2003).
- Editor, OCLAA web site (2002 – 2003).

### ***Reviews for Journal Paper/Conference Abstract***

*CIGR (Commission Internationale du Génie Rural) Ejournal*

*Ecological Engineering*

*GeoJournal*

*Geosynthetics International*

*International Journal of Geotechnical Engineering*

*International Erosion Control Association*

*Journal of Environmental Management*

*Journal of Hydraulic Engineering*, American Society of Civil Engineers

*Landscape and Urban Planning*

*Landscape Journal*

*Landscape Research*

*Landscape Research Record*

*Landscape Review*

*Social-Ecological Practice Research*

*The Science of the Total Environment*

*Transportation Research Board*

## **PROFESSIONAL EXPERIENCE**

2015 – 2017 **Chief Consultant**, [DEEP Design Group, LLC](#).

2003 – 2014 **Founding Principal**, HHL, LLC. (A Houston-based planning and design firm).

1999 – 2012 **Consultant**. For Texas Department of Transportation:

- *Bioretention BMP for Highway Application*, Bryan, TX (2010–2012). Project design and monitoring of a field bioretention cell on Texas highway roadside in Bryan.
- *Cottonwood Creek/Goode Road Project*, Hutchins, TX (1999–2001). Project designer of streambank stabilization using two soil bioengineering techniques: vegetated geogrids and dormant post planting. Developed design details, specifications and monitoring strategies. Estimated project cost. Documented and monitored the post-project condition.

- *Bollinger Creek/Steven S. Austin State Park Project*, Sealy, TX (1999–2000). Project designer of streambank stabilization using one soil bioengineering technique: Vegetated geogrids. Developed design details, specifications and monitoring strategies. Estimated project cost.
- *Nolan Creek/Belton City Park Project*, Belton, TX (2000). Project designer of streambank stabilization using two soil bioengineering techniques: Brushmattress and joint planting. Developed design details, specifications and monitoring strategies. Estimated project cost.
- *Little Walnut Creek and Boggy Creek Projects*, Austin, TX (2000). Project designer of streambank stabilization using two soil bioengineering techniques: Live cribwall and branchpacking. Developed design details, specifications and monitoring strategies. Estimated project cost.

1990 – 1992 **Second Lieutenant**, Taiwan Army Engineers.

- *Construction of Military Dormitory Building*, Tofen, Taiwan (1992). Construction Manager. Management of construction process. Documentation of construction procedure.
- *Construction of Control Building for Shooting Range*, Tofen, Taiwan (1991). Construction Manager. Management of construction process. Documentation of construction procedure.
- *Renovation of Military Barracks Project*, Hsinchu, Taiwan (1990). Army Engineer. Assignment of daily construction tasks to the company sergeants and soldiers, including demolition of old structures, transport of construction materials and construction of sanitary systems.

### ***Professional Membership***

- Member, American Planning Association (Since 2018).
- Member, American Society of Landscape Architects (Since 2005).
- Member, Council of Educators in Landscape Architecture (Since 2003).
- Member, Association of Collegiate Schools of Planning (Since 2003).
- Member, American Society of Agricultural and Biological Engineers (2003 – 2008).
- Member, Overseas Chinese Landscape Architects Association (Since 2002).
- Member (2003 – 2005); Student Member (1999 – 2002), International Erosion Control Association.